

IN THE CLAIMS:

1. (Previously presented) A lock system for releasably maintaining a movable closure element in one of two different positions for the movable closure element relative to a support for the movable closure element, the lock system comprising:

a latching assembly having a first state and a second state,

the latching assembly in the first state releasably engageable with a part on the support to thereby releasably maintain the movable closure element with which the lock system is associated in the one position,

the latch assembly comprising a first element that is changed from a first position into a second position to thereby cause the latching assembly to be changed from the first state into the second state whereupon a movable closure element with which the lock system is associated can be moved from the one position into the other of the two different positions; and

an actuating system for the latching assembly,

the actuating system comprising a first actuating assembly that is changeable from a first state into a second state by movement of a part of the first actuating assembly in an operating path from one position into another position to thereby cause the first element to be changed from the first position into the second position,

wherein the first actuating assembly comprises a push button actuator that is movable from a normal position into an actuated position to change the first actuating assembly from the first state into the second state,

the actuating system further comprising a blocking assembly having a first state and a second state,

the blocking assembly in the first state allowing the first actuating assembly to be changed from the first state into the second state,

the blocking assembly in the second state blocking the operating path to prevent the part of the first actuating assembly from being changed from the one position into the another position and the push button actuator from being moved from the normal position into the actuated position and thereby the first actuating assembly from being changed from the first state into the second state.

2. (original) The lock system according to claim 1 in combination with a movable closure element upon which the lock system is operatively mounted.

3. (original) The lock system according to claim 2 further in combination with a support relative to which the movable closure element is mounted for movement between the two different positions.

4. (original) The lock system according to claim 3 wherein the support comprises a strike assembly with a part that is releasably engaged by the latch assembly with the latch assembly in the first state to thereby releasably maintain the movable closure element in the one position.

5. (original) The lock system according to claim 4 wherein the latching assembly comprises at least one rotor with a receptacle for the part of the strike assembly, the at least one rotor pivotable around an axis between a latched position and a release position, the at least one rotor in the latched position with the latching assembly in the first state and in the release position with the latching assembly in the second state.

6. (original) The lock system according to claim 1 wherein the latching assembly comprises a second actuating assembly for changing the blocking assembly between the first and second states.

7. (original) The lock system according to claim 6 wherein the second actuating assembly is operable to change the blocking assembly between the first and second states in response to transmission of an electrical signal from an input.

8. (original) The lock system according to claim 7 wherein the second actuating assembly comprises a drive that is operable in response to a transmission of the electrical signal from the input to the first actuator.

9. (original) The lock system according to claim 7 wherein the input comprises a key pad.

10. (original) The lock system according to claim 7 wherein the input comprises a wireless transmitter for the electrical signal.

11. (original) The lock system according to claim 7 wherein the input comprises a wired switch.

12. (cancelled)

13. (Previously presented) The lock system according to claim 1 wherein the part of the first actuating assembly is translated in the operating path to drive the first element from the first position into the second position.

14. (currently amended) A lock system for releasably maintaining a movable closure element in one of two different positions for the movable closure element relative to a support for the movable closure element, the lock system comprising:

a latching assembly having a first state and a second state,

the latching assembly in the first state releasably engageable with a part on the support to thereby releasably maintain the movable closure element with which the lock system is associated in the one position,

the ~~latch~~ latching assembly comprising a first element that is changed from a first position into a second position to thereby cause the latching assembly to be changed from the first state into the second state whereupon a movable closure element with which the lock system is associated can be moved from the one position into the other of the two different positions; and

an actuating system for the latching assembly,

the actuating system comprising a first actuating assembly that is changeable from a first state into a second state by movement of a part of the first actuating assembly in an operating path from one position to another position to thereby cause the first element to be changed from the first position into the second position,

the actuating system further comprising a blocking assembly having a first state and a second state,

the blocking assembly in the first state allowing the first actuating assembly to be changed from the first state into the second state,

the blocking assembly in the second state blocking the operating path to prevent the part of the first actuating assembly from being changed from the one position into the another position and thereby the first actuating assembly from being changed from the first state into the second state,

wherein the latching assembly comprises a second actuating assembly for changing the blocking assembly between the first and second states,

wherein the first actuating assembly comprises a push button actuator that is movable from a normal position into an actuated position to change the first actuating assembly from the first state into the second state,

wherein the part of the first actuating assembly is translated in the operating path to drive the first element from the first position into the second position,

wherein the first actuating assembly is changeable from the first state into a third state to thereby change the blocking assembly into its first state.

15. (original) The lock system according to claim 14 wherein the first actuating assembly is changeable from the first state into a fourth state to thereby change the blocking assembly into the second state.

16. (original) The lock system according to claim 14 wherein the actuating system comprises a second actuating assembly for changing the blocking assembly between the first and second states.

17. (original) The lock system according to claim 16 wherein the push button actuator is movable from the normal position into the actuated position along a first line and the first actuating assembly is changeable from the first state into the third state by pivoting movement of the push button actuator around a first axis that is substantially parallel to the first line.

18. (original) The lock system according to claim 17 wherein the first actuating assembly comprises a cam element that engages a first surface on the blocking assembly and changes the blocking assembly from the second state into the first state as an incident of the first actuating assembly changing from the first state into the third state.

19. (previously presented) The lock system according to claim 18 wherein the blocking assembly comprises a plate that is pivotable about a second axis that is substantially parallel to the first axis between a first position with the blocking assembly in the first state and a second position with the blocking assembly in the second state.

20. (original) The lock system according to claim 19 wherein the plate has a wall having a surface residing substantially in a first plane and the first surface projects angularly away from the first plane.

21. (original) The lock system according to claim 20 wherein the blocking assembly comprises a second surface that projects angularly away from the first plane and is spaced from and faces the first surface and the cam element engages the second surface and changes the blocking assembly from the first state into the second state as an incident of the first actuating assembly changing from the first state into a fourth state, wherein the plate is in the second position.

22. (original) The lock system according to claim 21 wherein with the blocking assembly in the first state, the part of the first actuating assembly is movable along the first line towards and past the first plane to engage and cause the first element to be changed from the first position into the second position as the push button actuator is moved from the normal position into the actuated position.

23. (original) The lock system according to claim 21 wherein with the blocking assembly in the second state, the part of the first actuating assembly is blocked by the plate wall from moving in the operating path to cause the first element to be changed from the first position into the second position.

24. (original) The lock system according to claim 18 wherein the cam element projects in cantilever fashion away from the first axis in a direction transverse to the first line.

25. (original) The lock system according to claim 18 wherein a portion of the first actuating assembly is pivotable around the first axis to change the first actuating assembly from the first state into the third state.

26. (original) The lock system according to claim 19 wherein a portion of the first actuating assembly is a) pivotable around the first axis in a first direction to change the first actuating assembly from the first state into the third state and b) pivotable around the first axis in a direction opposite to the first direction to change the first actuating assembly from the first state into the fourth state.

27. (original) The lock system according to claim 26 wherein the portion of the first actuating assembly comprises the push button actuator.

28. (original) The lock system according to claim 27 wherein the push button actuator is pivoted around the first axis in the first direction to a first position to change the first actuating assembly from the first state into the third state and pivoted in a direction opposite to the first direction to a second position to change the first actuating assembly from the first state into the fourth state, and the push button actuator is spring biased to a resting position between the first and second position.



29. (original) The lock system according to claim 28 wherein the push button actuator has an associated key operated cylinder that moves guidingly within a case and with a key operatively inserted into the cylinder, the push button actuator can be pivoted between the first and second positions.

30. (original) The lock system according to claim 28 wherein the key can be removed from the cylinder with the push button actuator in the third position and cannot be removed from the cylinder with the push button actuator in either of the first and third positions.

31. (original) The lock system according to claim 29 wherein the first actuating assembly further comprises a housing, the push button actuator is mounted for movement relative to the housing between the normal position and actuated position and the push button actuator and housing are keyed to each other against relative movement around the first axis.

32. (original) The lock system according to claim 31 wherein the push button actuator and housing are selectively keyed to each other against relative pivoting around the first axis in two different relative positions.

33. (original) The lock system according to claim 31 wherein the housing defines a graspable handle.

34. (previously presented) The lock system according to claim 2 wherein the first actuating system comprises a self-contained module that is separate from the blocking assembly and is operably assembled by translating the self-contained module relative to the closure element, whereupon the first actuating assembly and a remainder of components on the lock system become operably related without requiring securing of any part of the self-contained module to any of the remainder of the components.

35. (previously presented) A lock system for releasably maintaining a movable closure element in one of two different positions for the movable closure element relative to a support for the movable closure element, the lock system comprising:

- a latching assembly having a first state and a second state,

- the latching assembly in the first state releasably engageable with a part of the support to thereby releasably maintain the movable closure element with which the lock system is associated in the one position,

- the latch assembly comprising a first element that is changed from a first position into a second position to thereby cause the latching assembly to be changed from the first state into the second state whereupon a movable closure element with which the lock system is associated can be moved from the one position into the other of the two different positions; and

- an actuating system for the latching assembly,

- the actuating system comprising a first actuating assembly that is changeable from a first state into a second state by movement of a part of the first actuating assembly in an

operating path to thereby cause the first element to be changed from the first position into the second position,

the actuating system further comprising a blocking assembly having a first state and a second state,

the blocking assembly in the first state allowing the first actuating assembly to be changed from the first state into the second state,

the blocking assembly in the second state blocking the operating path to prevent the part of the first actuating assembly from being changed from the first position into the second position and thereby the first actuating assembly from being changed from the first state into the second state,

the actuating system further comprising a second actuating assembly for changing the blocking assembly between the first and second states,

wherein the part of the first actuating assembly is translated in the operating path and drives the first element from the first position into the second position as an incident of the first actuating assembly changing from the first state into the second state,

wherein the first actuating system comprises a self-contained module that is separate from the blocking assembly,

wherein the self-contained module can be installed as a unit and operably assembled with the blocking assembly without requiring any separate fastener acting between the blocking assembly and first actuating assembly.

36.-37. (cancelled)

38. (previously presented) The lock system according to claim 35 wherein the first actuating assembly and blocking assembly are changeable from a fully separated state into an operably assembled state by relative translational movement between the first actuating assembly and blocking assembly.

39. (previously presented) The lock system according to claim 38 wherein the first actuating assembly comprises a push button actuator that is repositionable to thereby engage and reposition a part of the latch assembly to thereby cause the first element to move from the first position into the second position.

40. (previously presented) The lock system according to claim 1 wherein the part of the first actuating assembly follows movement of the push button actuator so that the part of the first actuating assembly moves in the operating path as the push button moves from the normal position to the actuated position.

41. (previously presented) A lock system for releasably maintaining a movable closure element in one of two different positions for the movable closure element relative to a support for the movable closure element, the lock system comprising:

a latching assembly having a first state and a second state,

the latching assembly in the first state releasably engageable with a part on the support to thereby releasably maintain the movable closure element with which the lock system is associated in the one position,

the latch assembly comprising a first element that is changed from a first position into a second position to thereby cause the latching assembly to be changed from the first state into the second state whereupon a movable closure element with which the lock system is associated can be moved from the one position into the other of the two different positions; and

an actuating system for the latching assembly,

the actuating system comprising a first actuating assembly that is changeable from a first state into a second state by movement of a part of the first actuating assembly in an operating path from one position to another position to thereby cause the first element to be changed from the first position into the second position,

the actuating system further comprising a blocking assembly having a first state and a second state,

the blocking assembly in the first state allowing the first actuating assembly to be changed from the first state into the second state,

the blocking assembly in the second state blocking the operating path to prevent the part of the first actuating assembly from being changed from the one position into the another position and thereby the first actuating assembly from being changed from the first state into the second state,

the blocking assembly comprising a plate that is pivotable about an axis between a first position with the blocking assembly in the first state and a second position with the blocking assembly in the second state,

the plate in the first position residing in the operating path to block movement of the part of the first actuating assembly from the one position to the another position,

the plate in the second position allowing the part of the first actuating assembly to be moved from the one position into the another position.

42. (previously presented) The lock system according to claim 41 wherein the first actuating assembly comprises a push button actuator that is movable from a normal position into an actuated position to change the first actuating assembly from the first state into the second state, wherein the part of the first actuating assembly is translated in the operating path to drive the first element from the first position into the second position, wherein the push button actuator is movable from the normal position into the actuated position along a first line, wherein the first line is substantially parallel to the axis about which the plate pivots.